

Rectifier RSU S series

Ultra highly reliable power supply module



Rectifier RSU SB1000

Highlights

- | Up to 500 VDC
- | 19" 2U / 3U size variants
- | Front side connectivity
- | Fault tolerant software
- | Ultra highly reliable power supply unit
- | Wide temperature range of operation

RELIABLE. CONVENTIONAL. HARD.

Rectifier RSU S – rectifier and battery charger for stand-alone use.

Performance

The power supplies of RSU S series present a highly reliable and compact battery charging rectifiers with front side connectivity. The rectifier can be used for all DC applications with or without a battery.

Simplicity

Easily done. Setting up and controlling through 1 button beside the display.

Reliability

Tested functionality under harshest conditions. Up to 80°C.

Intelligence

Integrated battery testing procedures and failure detection methods.

Monitoring and control

Communication via RS232, SNMP, Ethernet or GSM. Remote signaling through relay outputs.

Features

- Recharge all types of batteries
- Battery asymmetry control
- Voltage temperature compensation
- Temperature measurements
- Fan speed regulation
- Light and sound signaling
- Surge protection
- Protection against overvoltage
- Protection against short circuit
- Protection against deep battery discharge

Technical data

Rectifier RSU S series

Rectifier module	RSU SA	RSU SB	RSU SC	RSU SD	RSU SE	RSU SF
Input (AC)						
Voltage, nominal	230 V					
Voltage, operating range	140 V ... 276 V					
Frequency	45 Hz ... 66 Hz					
Power factor	> 0.99					
Output (DC)						
Voltage	24 V	48 V	60 V	110 V	220 V	360 V
Power, maximum	1300 W					
Current, maximum	54.1 A	27.1 A	21.7 A	11.8 A	5.9 A	3.6 A
Other specifications						
Main functions and features	Recharge and maintain of all types of batteries Battery test and asymmetry control Voltage temperature compensation Fan speed regulation (current and temperature) Digital, light and sound signalling					
Protections	Protection against over-voltage and disturbances at the input Protection against overload and short circuit at the output Protection against deep battery discharge Protection against high temperature					
Maximum power for 2U size variant	1300 W					
Maximum power for 3U size variant	3000 W (RSU N series)					
Dimensions for 2U (WxHxD) mm	(440x88x262)					
Dimensions for 3U (WxHxD) mm	(440x132x262)					
Mounting option 1	Horizontal, (2U / 3U) across 19" or ETSI rack					
Mounting option 2	Stand-alone					
Operating conditions						
Ambient temperature	-30°C ... +80°C (power de-rating at 60°C)					
Humidity	Operating: 0% to 95% RH non-condensing Storage: 0% to 99% RH non-condensing					
Operating altitude	≤ 3000 m a.s.l.					



Rectifier RSU NC3000, height 3U